NO BINDING CAPACITY SURFACE

TECHNICAL NOTE N. 11

A surface that prevents the binding of proteins to the wells. Addressed to those procedures that need to avoid any modification of the activity of the molecules (e.g. enzymes) induced by the reactions that could occur with the well surface.

Here the test carried out for checking the properties of our **No Binding** capacity when IgG were coated on its surface. In parallel was carried out a test using, as comparison, the HB binding surface to demonstrate the natural protein adsorption.

Method 15

1. dispense 100 µl/well of 5 µg/ml of human IgG diluted in 0.1M PBS pH 7.2 and incubate overnight at 4°C
2. wash 3 times with 0.1M PBS pH 7.2 + 0.05%Tween® 20
3. dispense 150 µl/well of BSA 1% in 0.1M PBS pH 7.2 and incubate 2 hours at R.T. for blocking the remaining active sites
3. wash 3 times with 0.1M PBS pH 7.2+ 0.05% Tween® 20
4. dispense 100 µl/well of Goat Anti-HIgG-HRP conjugate and incubate 30' at R.T.
5. wash 3 times with 0.1M PBS pH 7.2 + 0.05% Tween® 20
6. dispense 100 µl/well of TMB
8. after 15' stop the reaction with H_2SO_4 1 N
9. reading is made at 450 nm

	NO binding	**High binding HB8**
m O.D. values	62	1563

The results clearly demonstrate that no IgG adsorption happens in NO binding wells.